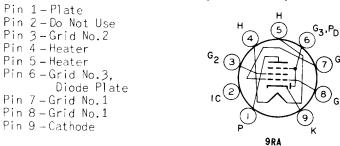
Beam Power Tube

with an Integral Diode

9-PIN MINIATURE TYPE PLATE DISSIPATION = 10 WATTS	DARK H	EATER					
For Feedback-Stabilized Vertical Deflect Amplifier Applications in Black-and-White and Color TV	ion Receive	rs					
ELECTRICAL CHARACTERISTICS Bogey Values							
Heater Voltage (AC or DC) E _h Heater Current I _h Direct Interelectrode Capacitances	6.3 1.2	V A					
Without external shield Grid No.1 to plate egl-p Input: G1 to (K, G3 + PD, G2, H) . C; Output: P to (K, G3 + PD, G2, H) . Co	0.32 13.0 6.0	pF pF pF					
For the following characteristics, see Conditions							
Amplification Factor $(Triode\ Connection)^a$ μ Plate Resistance (Approx.) r_p Transconductance g_m DC Plate Current l_b 150b DC Grid-No.2 Current l_{c2} 20b Cutoff DC Grid-No.1 Voltage $E_{c1}(co)$	6.5 10.5 4200 35 2.5 -37	kΩ μmho mA mA V					
Plate mA = 1 Instantaneous Diode-Plate-to- Cathode-Voltage Drop for instantaneous diode-plate current							
$(r_b(d)) = 2 \text{ mA.} \dots e_b(d)$	5	٧					
Conditions Heater	6.3 140 0 140 -18	V V V V					
MECHANICAL CHARACTERISTICS							
Operating Position	Unipote eral Se n (77.7 n (71.4 n (22.2 lation 1 mation	7 mm) 12 mm) 12 mm) 16-1/2					

TERMINAL DIAGRAM (Bottom View)



DESIGN-MAXIMUM RATINGSC

For operation as a Feedback-Stabilized Vertical-Deflection-Amplifier Tube in Black-&-White & Color Television Receivers in a 525-line, 30-frame system

	is the Jes-till	e, 30-jrume sy.	stem		
DC Plate Voltage	Eb	425	٧		
(Absolute-Maximum Value)d	e _{bm}	2000	٧		
DC Grid-No.3 & Diode-Plate Voltage.	$E_{c3}, E_{b(d)}$	+10	٧		
-		-150	٧		
DC Grid-No.2 (Screen-Grid) Voltage. Peak Negative-Pulse Grid-No.1	E _{c2}	330	٧		
(Control-Grid) Voltage	e _{clm}	150	٧		
Peak	_ e _{hkm}	±200	٧		
Average ^e	Ehk(av)	100	٧		
Heater Voltage (AC or DC) Cathode Current	Eh	5.7 to 6.9	V		
Peak	i _{km}	250	mA		
Average ^e	Ik(av)	70	mA		
Average Diode-Plate					
(& Grid-No.3) Current ^e	$\frac{1}{2}$ $h(ay) (d)$	1	mΑ		
Grid-No.2 Input	Paz	2	W		
Plate Dissipation	lb(av) (d) g2 Pb	10	W		
Envelope Temperature (At hottest					
point on envelope surface)	Τ _Ε	240	oC		
MAXIMUM CIRCUIT					
Grid-No.1-Circuit Resistance For grid-No.1-resistor-bias	^R gl(ckt)				
operation	-	2.2	$M\Omega$		

With grid No.3 and diode plate connected to cathode and with grid No.2 connected to plate at socket.
 This value can be measured by a method involving a recurrent waveform such that the Maximum Ratings of the tube will not be exceeded.

For cathode-bias operation . . .



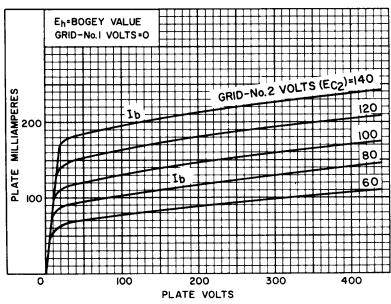
 $M\Omega$

C Unless otherwise specified.

d This rating is applicable where the duration of the voltage pulse does not exceed 15 per cent of one vertical scanning cycle. In a 525-line, 30-frame system, 15 per cent of one vertical scanning cycle is 2.5 ms.

 $[{]f e}$ Measured with a dc meter.

Typical Characteristics



9205-14660

